

THE LINDE GROUP

Linde

AVANTO™ welding management.

Traceability. Quality. Efficiency.



AVANTO™ – pioneering welding management.

AVANTO is an advanced cloud-based welding management solution that allows you to capture, monitor and analyse the vast amount of data that is required to oversee a modern welding operation. Covering every step in the welding workflow, it enhances traceability, efficiency and quality assurance. In essence, it allows you to meet industry standards whilst removing cost and complexity from your business.

How does AVANTO work?

At its core, AVANTO builds on a central repository of Welding Procedure Specifications (WPSs). It helps you digitalise your existing WPSs, which you can then access or dynamically update at any time. This repository dramatically speeds up the process of creating a new job as many of the data fields are automatically completed when you select a WPS. In addition, it manages welders' qualifications to ensure that only suitably trained operators can be assigned to a job.

Using a PC or mobile device, you can allocate project resources such as materials when you set up a job or at a later point in the workflow. You can then assign specific welders, supervisors and quality assurance managers to a project or jobs within that project. This transparent assignment ensures you always have a complete audit trail.

Welders and other shop floor personnel can view their job queue on mobile devices and access all the information they need to complete jobs quickly and efficiently. They can also flag any issues with the weld for checking by supervisory personnel. Once quality assurance personnel have completed weld tests, they can upload the results. All this information can then be used to generate a transparent work package for your customer, thus meeting growing demands for traceability – both from customers and regulators.

And that's not all. AVANTO provides rich reporting capabilities that give you real-time insights into your entire welding operations. This dashboard intelligence can help you identify scope for productivity enhancements, which you could address, for instance, through welder training.





Equip your welders with the technology they need to deliver enhanced traceability and quality.

Benefits for you

Standards compliance and traceability

- Full digital audit trail of welding activities from job creation to final delivery to the customer.
- Simplified adherence to standards through dynamic web forms that align WPS and welder qualifications with standards*.
- WPS-driven workflow for correct allocation of materials, consumables, machines and welders to any given job.
- Easy communication of welding engineers' instructions and specifications to welders and other personnel.
- Digital capture of all relevant information in a work package for your customer.

Increased efficiency

- Reduced administrative effort documenting welding jobs for customers and auditors.
- Simplified management of welder qualifications and machine maintenance.
- Streamlined creation, identification and updating of WPSs to latest standards.
- Mobile enablement for instant access to information.
- Efficiency gains of having centralised, real-time information available to everyone in the operation regardless of location.

Cost savings

- Labour savings through streamlined processes and removal of redundant steps such as duplicate data entry.
- Less human error and need for reworking.
- Reduction or - even better - elimination of costs resulting from non-compliance such as litigation, loss of indemnity insurance and lost business.
- Faster execution and fewer penalties for late delivery.
- Improved oversight for lower management effort across multiple production sites.

* Currently supports EN 1090, other standards to follow.

Getting started

It couldn't be simpler to get started with AVANTO. All you need is an Internet connection, a PC and a tablet or smartphone. Linde professionals can guide you through the setup process to get your welding personnel registered with the service and download the app. AVANTO is compatible with all the latest web browsers.

To learn more about how AVANTO could transform your welding operations, contact your local sales representative or visit www.linde-gas.com/services.



The mobile app allows shop floor personnel to view and update job information on the move.

Getting ahead through innovation.

With its innovative concepts, Linde is playing a pioneering role in the global market. As a technology leader, it is our task to constantly raise the bar. Traditionally driven by entrepreneurship, we are working steadily on new high-quality products and innovative processes.

Linde offers more. We create added value, clearly discernible competitive advantages, and greater profitability. Each concept is tailored specifically to meet our customers' requirements – offering standardised as well as customised solutions. This applies to all industries and all companies regardless of their size.

If you want to keep pace with tomorrow's competition, you need a partner by your side for whom top quality, process optimisation, and enhanced productivity are part of daily business. However, we define partnership not merely as being there for you but being with you. After all, joint activities form the core of commercial success.

Linde – ideas become solutions.

Linde AG

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